1 What is claimed is:

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- 3 1. A high-frequency (HF) module with a HF circuit board (1), on which at
- 4 least one first antenna part (6) is located, with a housing part (2), on which at
- 5 least one second antenna part (7) is located, and with a shielding cover (3),
- 6 whereby the HF circuit board (1) is installed between the housing part (2) and the
- 7 shielding cover (3),
- 8 wherein the HF circuit board (1) includes at least one through opening (8), the
- 9 housing part (2) has at least one peg (10) which extends into the through
- opening (8), and the peg (10) is connected with the diametrically opposed
- 11 surface (14) of the shielding cover (3).

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- 13 2. The HF module as recited in Claim 1,
- wherein the peg (10) has a stop (11), and the peg (10) extends into the through
- opening (8) until this stop (11) is reached.

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- 17 3. The HF module as recited in one of the Claims 1 or 2,
- wherein the housing part (2) is made of a plastic capable of being penetrated by
- 19 laser beams, the shielding cover (3) is made of a plastic capable of being heated
- 20 up by laser beams, and the housing part (2) and the shielding cover (3) are
- 21 joined using laser full-penetration welding.

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- 23 4. The HF module as recited in one of the Claims 1 through 3,
- 24 wherein the shielding cover (3) is joined with the HF circuit board (1) using
- shielding adhesive (15) or shielding dry seals.

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- 27 5. The HF module as recited in one of the Claims 1 through 4,
- wherein the shielding cover (3) includes at least one socket (12) which is located
- 29 in the region of the through opening (8) of the HF circuit board (1) and extends,
- at least in its edge region (13), up to the HF circuit board (1), and the peg (10) of
- 31 the housing part (2) is connected with the socket (12) of the shielding cover (3).

- 1 6. The HF module as recited in one of the Claims 1 through 4,
- 2 wherein the shielding cover includes at least one peg-like projection, which also
- 3 extends into the through opening of the circuit board, and the peg of the housing
- 4 part is connected with the peg-like projection of the shielding cover.

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- 6 7. A method for assembling a HF module with a HF circuit board (1), on
- 7 which at least one first antenna part (6) is located, with a housing part (2), on
- 8 which at least one second antenna part (7) is located, and with a shielding part
- 9 (3), whereby the HF circuit board (1) is installed between the housing part (2) and
- 10 the shielding cover (3),
- wherein the HF circuit board (1) is provided with at least one through opening (8),
- 12 and the housing part (2) is equipped with at least one peg (10), the HF circuit
- board (1) and the housing part (2) are adjusted relative to each other—and, as a
- result, so are the two antenna parts (6, 7)—by inserting the peg (10) into the
- through opening (8), and the peg (10) is connected with the diametrically
- opposed surface (14) of the shielding cover (3).

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- 18 8. The method as recited in Claim 7,
- 19 wherein the peg (10) includes a stop (11), and the peg (10) is pressed into the
- 20 through opening (8) until this stop (11) is reached.

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- 22 9. The method as recited in one of the Claims 7 through 8,
- 23 wherein the housing part (2) is made of a plastic capable of being penetrated by
- 24 laser beams, the shielding cover (3) is made of a plastic capable of being heated
- up by laser beams, and the housing part (2) and the shielding cover (3) are
- 26 joined using laser full-penetration welding.

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- 28 10. The method as recited in one of the Claims 7 through 9,
- 29 wherein the shielding cover (3) is connected with the HF circuit board (1) using
- 30 shielding adhesive (15) or shielding dry seals.

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- 1 11. The use of a HF module as recited in one of the Claims 1 through 6 within
- 2 the framework of a short range radar, in particular for motor vehicle applications.